

WHAT IS CLAIMED IS:

1. Metallic material provided with a chromium-oxide passivation film comprising a passivation film consisting of chromium oxide obtained by oxidizing a chromium coat on the metallic material of which surface roughness (Ra) is not more than $1.5\mu\text{m}$.
2. The metallic material provided with the chromium-oxide passivation film according to claim 1, wherein pin holes of said chromium-oxide passivation film are filled.
3. A method for manufacturing metallic material on which a chromium-oxide passivation film is formed, comprising the step of:
forming the passivation film consisting of chromium oxide by applying heat treatment in an oxidizing atmosphere after coating chromium on metallic material of which surface roughness (Ra) of a coat surface is not more than $1.5\mu\text{m}$.
4. Parts contracting with fluid and a fluid supplying/exhaust system comprising metallic material having a chromium-oxide passivation film according to claim 1.